



# PowerBook

With PowerPC G3 processors running at up to 500 megahertz, long battery life, and built-in FireWire, the new PowerBook gives you the performance and portability you need to create dynamic digital video almost anywhere.





# PowerBook



## Features

### Outstanding performance and stunning design

- PowerPC G3 processors for the fastest performance of any notebook computer\*
- Performance-boosting 1MB backside level 2 cache
- Up to 10 hours of battery life through dual lithium-ion battery capability
- Support for up to 512MB of SDRAM to streamline application performance
- Fast Ultra ATA/66 internal hard drives with up to 18GB of storage capacity
- Slim and stunning 6-pound design

### Desktop Movies to go

- Two FireWire ports for connecting DV camcorders, hard drives, and other high-performance peripherals
- 14.1-inch (diagonal) active-matrix display for crisp text and brilliant color
- 8MB of video memory for displaying millions of colors on both the built-in screen and an external monitor
- Support for dual-display mode and video mirroring on an external monitor, video projector, or TV through VGA and S-video output ports
- DVD-ROM drive for playback of DVD movies, DVD-ROM and DVD-RAM discs, and CDs

### Wired and wireless communications

- Support for AirPort wireless networking with built-in antenna and card slot
- Built-in 56K modem with V.90 support\*\*
- Built-in 10/100BASE-T Ethernet for access to high-speed networks

### Versatile expandability

- Hot-swappable expansion bay that accepts DVD-ROM drive and third-party peripherals such as Zip, SuperDisk, and hard disk drives
- Easy access to memory expansion slots, AirPort Card slot, and removable hard disk drive
- Two USB ports for connecting peripherals such as a mouse, external keyboard, printer, or scanner

With its Pentium-crushing performance and industry-leading design, the PowerBook has set the standard for full-featured notebook computers. Now it's even better, with faster processors, built-in FireWire ports, and optional AirPort wireless networking. The new PowerBook computer is an ideal choice for creative professionals, educators, and anyone else who needs performance to go.

With up to a 500-megahertz PowerPC G3 processor, 1 megabyte of backside cache, and up to 512 megabytes of SDRAM, the PowerBook blazes through processor-intensive tasks such as digital video editing, 3D rendering, and Adobe Photoshop actions like Gaussian blurs. In fact, it runs up to 30 percent faster than Pentium III processor-based notebook computers.\* The PowerBook uses fast Ultra ATA/66 hard drives, so you waste no time opening and saving large multimedia and video files. And with the ATI RAGE Mobility 128 video controller with AGP 2X support and 8 megabytes of video memory, the PowerBook provides exceptional graphics performance in millions of colors. It also delivers long battery life—up to 5 hours on a single battery or up to 10 hours using the system's dual-battery capability.

With its outstanding performance and its slim and stunning 6-pound design, the PowerBook is a movie studio that you can take with you wherever you go. It's the perfect system for capturing, editing, and delivering Desktop Movies. Simply connect a DV camcorder or an external hard drive to the computer's FireWire ports, and instantly access your live or stored video footage. Then use Apple's Final Cut Pro software to help you create your own video masterpieces. You can premiere your movies on the high-resolution 14.1-inch display. Or use the VGA or S-video output port to show off your work on a larger monitor, TV, or projection device—perfect for presentations to your clients, students, or family. When you're ready to enjoy the finest work from Hollywood, you can use the built-in DVD-ROM drive to play hit movies anywhere.

The PowerBook also provides the communications options a busy mobile professional needs. With an AirPort Card installed in your PowerBook and an AirPort Base Station, you can access the Internet or connect to your network—without wires. Whether you're at home or at the office, with AirPort wireless technology you can take your PowerBook from room to room and download email, transfer files, and even surf the web. For those who spend time in a wired environment, the PowerBook features built-in 10/100BASE-T Ethernet and a 56K modem for quick access to a corporate network or dial-in services.\*\*

PowerBook: The performance you want, the mobility you need.

\* Based on Photoshop tests.

\*\* Actual modem speeds lower; speed depends on connection rate and other factors.



## Specification Sheet

### PowerBook

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## Technical Specifications

### Processor and memory

- 400- or 500-MHz PowerPC G3 processor
- 1MB backside level 2 cache on processor module; 160- or 200-MHz dedicated 64-bit backside bus
- 100-MHz system bus
- Integrated floating-point unit and 64K on-chip level 1 cache (32K data and 32K instruction)
- 64MB or 128MB of PC100 SDRAM (3.3-volt, unbuffered, low-power, 64-bit-wide, 144-pin, running at 100 MHz); two SO-DIMM slots support up to 512MB

### Storage

- Internal 6GB, 12GB, or 18GB Ultra ATA/66 hard disk drive (18GB drive available in build-to-order computers)
- 6x-speed (maximum) DVD-ROM drive for use in expansion bay; reads DVD-ROM, DVD-Video, and DVD-RAM discs; reads CD-ROM discs at up to 24x speed

### Communications

- Built-in 10/100BASE-T Ethernet (RJ-45 connector)
- Built-in 56K V.90 modem (RJ-11 connector)\*
- Optional 11-Mbps AirPort wireless networking card (IEEE 802.11 DSSS compliant)
- Infrared technology port (4-Mbps IrDA)

### Expansion

- Two 400-Mbps FireWire (IEEE 1394) ports
  - Two 12-Mbps Universal Serial Bus (USB) ports
  - Hot-swappable expansion bay for DVD-ROM drive or third-party storage solutions such as Zip, SuperDisk, and hard disk drives
  - One PC Card and CardBus slot
- Support for one Type I or Type II PC Card or CardBus card
- Support for a Zoom Video PC Card

### Video and graphics support

- 8MB of SDRAM video memory supports millions of colors on external monitors up to 21 inches
- Built-in 2D/3D graphics acceleration through an integrated ATI RAGE Mobility 128 video controller with AGP 2X
- 24-bit video output port (VGA-style connector)
- S-video output port

### Display

- 14.1-inch (diagonal) built-in TFT XGA active-matrix display
- Supports millions of colors at 1024- by 768-pixel resolution
- Supports resolution scaling to 640- by 480-pixel or 800- by 600-pixel resolution

### Sound

- 16-bit CD-quality stereo input/output
- Two built-in stereo speakers
- Internal omnidirectional microphone

### Battery and power

- 50-watt-hour lithium-ion battery
- Provides up to 5 hours with one battery and up to 10 hours with two batteries, depending on configuration and usage
- Power adapter port

### Security

- Kensington cable lock slot
- Keyboard lock

### Keyboard

- Built-in full-size keyboard with 76 (U.S.) or 77 (ISO) keys, including 12 function keys, 4 arrow keys (inverted “T” arrangement), and embedded keypad

### Apple trackpad

- Solid-state Apple trackpad provides precise cursor control; supports tap, double-tap, and drag capabilities

### Electrical requirements

- Line voltage: 100V to 240V AC
- Frequency: 50 to 60 Hz

### Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -40° to 116° F (-47° to 47° C)
- Relative humidity: 20% to 80% noncondensing
- Maximum operating altitude: 10,000 feet (3,048 m)
- Maximum storage altitude: 15,000 feet (4,572 m)
- Maximum shipping altitude: 35,000 feet (10,668 m)

### Size and weight

- Width: 10.4 inches (26.4 cm)
- Height: 12.7 inches (32.3 cm)
- Depth: 1.7 inches (4.3 cm)
- Weight: 6.1 pounds (2.8 kg) with DVD-ROM drive and battery installed; 5.7 pounds (2.6 kg) with battery and weight-saving module installed (weight varies by configuration and manufacturing process)

\*Actual modem speeds lower; speed depends on connection rate and other factors.




## Specification Sheet

### PowerBook

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## Configurations

PowerBook	Order no.	M7630LL/A	M7633LL/A
	Display	14.1-inch TFT	14.1-inch TFT
	Processor	400-MHz PowerPC G3	500-MHz PowerPC G3
	Backside level 2 cache	1MB	1MB
	Backside bus speed	160 MHz	200 MHz
	Memory (SDRAM)	64MB	128MB
	Video memory (SDRAM)	8MB	8MB
	Video controller	ATI RAGE Mobility 128	ATI RAGE Mobility 128
	Hard disk drive	6GB Ultra ATA/66	12GB Ultra ATA/66
	Optical drive	DVD-ROM with DVD-Video playback	DVD-ROM with DVD-Video playback
	Ethernet	Built-in 10/100BASE-T	Built-in 10/100BASE-T
	Modem	56K V.90	56K V.90
	Wireless networking	AirPort ready	AirPort ready

All models also include a built-in keyboard and trackpad; modem cable; power adapter; S-video to composite adapter; VGA-to-Macintosh adapter; weight-saving module; Mac OS 9 with QuickTime; Apple File Synchronization; Apple Location Manager; third-party software (Microsoft Internet Explorer, Microsoft Outlook Express, Netscape Communicator, FAXstf, and Palm Desktop); complete setup, learning, and reference documentation; and limited warranty.

## For More Information

For more information about this product, visit [www.apple.com/powerbook](http://www.apple.com/powerbook). To find the latest information on hardware and software products for your PowerBook, visit the Macintosh Products Guide at [www.apple.com/guide](http://www.apple.com/guide).

To purchase this product from the Apple Store, go to [www.apple.com/store](http://www.apple.com/store) or call 800-MY-APPLE. To find an authorized Apple reseller in your area, call 800-538-9696.

Apple offers a free suite of Internet services on [www.apple.com](http://www.apple.com) that make using the web more productive and fun. Register for iTools, a group of membership-based services including an exclusive mac.com email address and iDisk, which gives you 20MB of free storage space on Apple's Internet servers. Other services include HomePage, a web page builder; KidSafe, to keep the Internet a safe place for children; iReview, website reviews written for the Apple community; and iCards, high-quality electronic greeting cards.

Safeguard your PowerBook for three full years with the optional AppleCare Protection Plan. You'll benefit from a host of services, including powerful diagnostic software tools, online support, regular email updates, and Apple's toll-free helpline. And for most problems, no problem: We'll fix your hardware for the next three years. You have the assurance of being helped by Apple certified technicians using genuine Apple parts—and the reassurance of knowing that your PowerBook is covered. For more information, visit [www.apple.com/support](http://www.apple.com/support).

## Build-to-Order Options

In addition to choosing from Apple's prebuilt systems, you can order a custom-configured PowerBook computer from your authorized Apple reseller or the online Apple Store. This allows you to select the processor speed, amount of RAM, hard disk capacity, and a preinstalled AirPort Card for your new system. You can also order an additional lithium-ion battery or power adapter, and third-party peripherals such as Zip and SuperDisk drive expansion modules and a SCSI PC Card adapter. For up-to-date information about options and availability, visit [www.apple.com/store](http://www.apple.com/store).

## Related Products

Product	Order no.
PowerBook Rechargeable Battery	M7385G/A
PowerBook Power Adapter	M7387LL/A
AirPort Card	M7600LL/B
AirPort Base Station	M7601LL/B

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